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(54) Title: PREVENTION OF RECURRENCE AND METASTASIS OF CANCER

(57) Abstract: The invention provides methods of preventing and treating cancer, involving the use of attenuated, replication-competent, oncolytic herpes viruses.

**INTERNATIONAL SEARCH REPORT**

International application No.

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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : C12N 15/63, 15/85, 15/87; A01N 43/04; A61K31/70  
US CL : 435/455; 514/44

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 435/455; 514/44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	JARNAGIN et al. Neoadjuvant treatment of hepatic malignancy: an oncolytic herpes simplex virus expressing IL-12 effectively treats the parent tumor and protects against recurrence-after resection. <i>Cancer Gene Therapy</i> . 2003, Vol. 10, pages 215-223.	1-27
X,P	WONG et al. Oncolytic herpesvirus effectively treats murine squamous cell carcinoma and spreads by natural lymphatics to treat sites of lymphatic metastases. <i>Human Gene Therapy</i> . 1 July 2002, Vol. 13, pages 1213-1223.	1-27
X ---	WONG et al. Cytokine gene transfer enhances herpes oncolytic therapy in murine squamous cell carcinoma <i>Human Gene Therapy</i> . 10 February 2001, Vol. 12, pages 253-265.	14,15,17,18,19,20,21, 24-27
X,P	US 6,428,968 B1 (MOLNAR-KIMBER et al) 6 August 2002 (06.08.2002), see whole document, especially columns 21-24.	-----
X,P	US 2002/0071832 A1 (PONG et al) 13 June 2002 (13.06.2002), see whole document, especially pages 11-13.	1-13,16,22,23 1-6,8-17,19-27 1-6,8-17,19-27

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"B" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same parent family
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"P" document published prior to the international filing date but later than the priority date claimed		

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INTERNATIONAL SEARCH REPORT

PCT/US03/06519

**Continuation of B. FIELDS SEARCHED Item 3:**

WEST 2.1, STN

search terms: cancer, tumor, herpes virus, NV1023, gene therapy, HSV-1, replication competent, resecting